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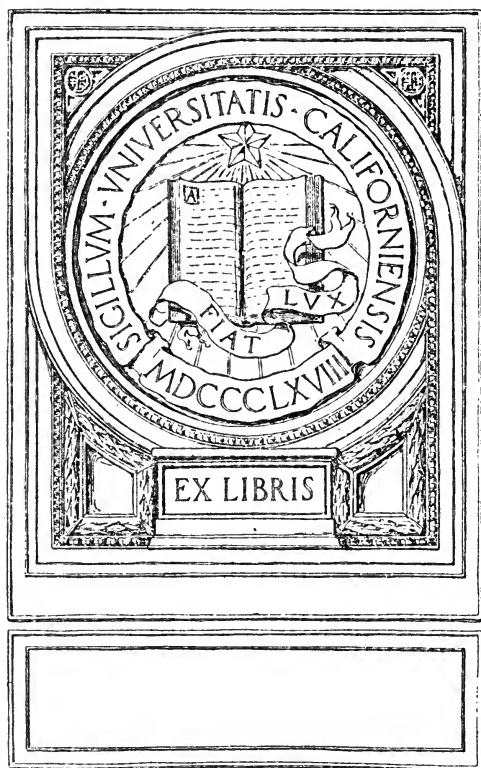
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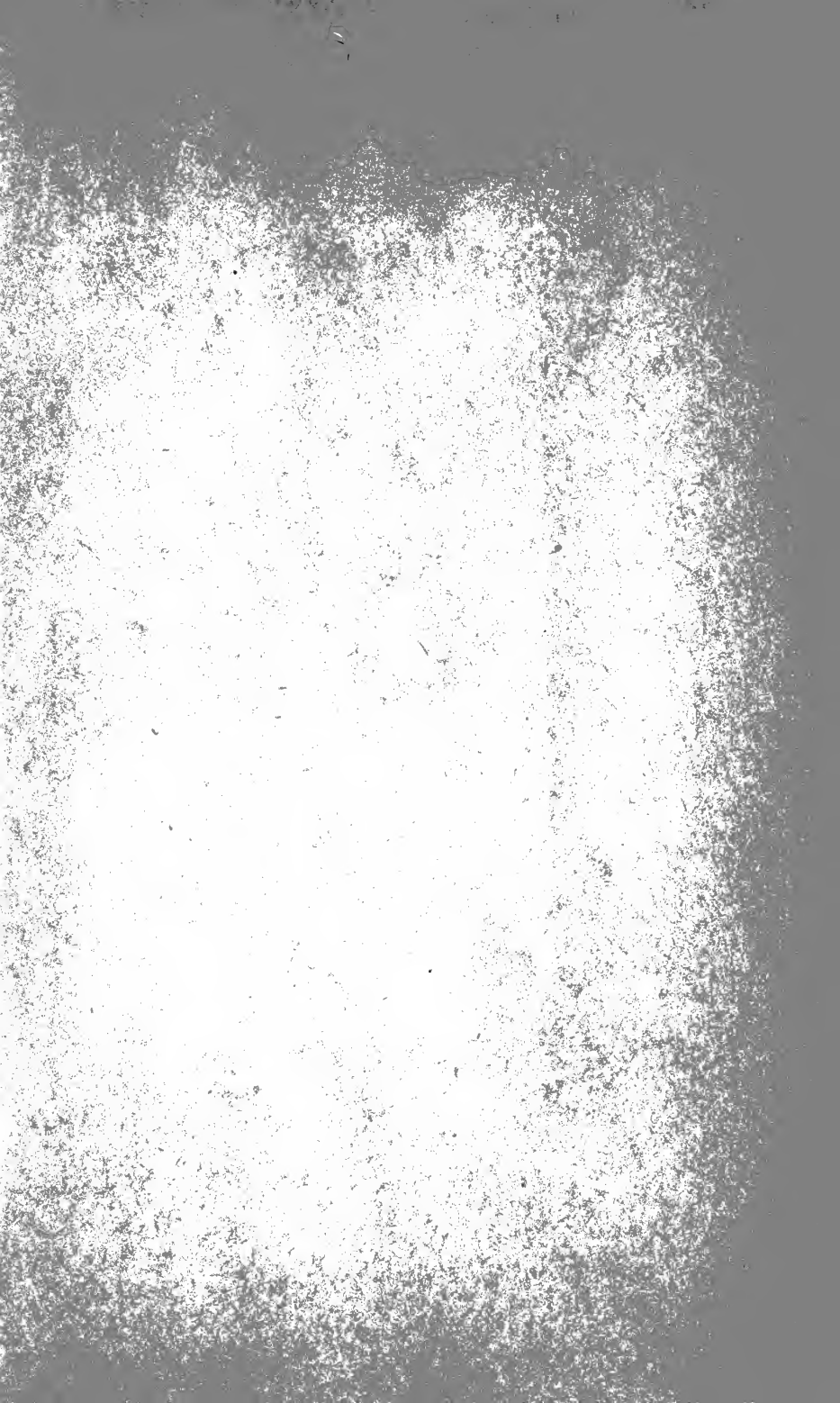
The Electric Furnace as Applied to Metallurgy

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CHEMISTS AND ENGINEERS
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TAB
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A paper to be presented at the Thirty-seventh General Meeting of the American Electrochemical Society, to be held in Boston, April 8-10, 1920.

DAY OF
ASTORIA

THE ELECTRIC FURNACE AS APPLIED TO METALLURGY.¹

A READING LIST, 1900-1919.

By CLARENCE JAY WEST.²

The following pages contain a list of magazine references on the construction and operation of the electric furnace as applied to the metallurgy of iron and steel and the non-ferrous metals. An attempt has been made to include all the important references since 1900, at which time the electric furnace was becoming established in the iron and steel industry. Since 1907 the reference to Chemical Abstracts is given in addition to the magazine references, since this source will enable the reader to eliminate many of the references here given as unsuitable for his particular needs.

Criticism of the arrangement of this work is cordially invited, since we desire to make such studies of the greatest value to all interested.

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¹ Manuscript received February 9, 1920.

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ABBREVIATIONS USED.

Am. Electrician	...	American Electrician
Am. Found. Assn. Trans.	American Foundryman's Association, Transactions
Am. Mach.	.....	American Machinist
Ann. Soc. Ing. Arch. Ital.	.....	Annali della Societa degli Ingegneri e degli Architetti Italiani
Appl. Sci.	.....	Applied Science
Assoc. Iron Steel Elec. Eng.	...	Association of Iron and Steel Electrical Engineers
Atti incoraggiamento Napoli	..	Atti del r. istituto d'incoraggiamento di Napoli
Aust. Min. Stand.	.....	Australian Mining Standard
Automotive Eng.	.....	Automotive Engineer
Automotive Ind.	.....	Automotive Industries
Berg. u. Hüttenm. Z.	.....	Berg und Hüttenmännische Zeitschrift
Blast Furnace	.....	Blast Furnace and Steel Plant
Bol. soc. nacional minera Chile	..	Boletin de la sociedad nacional de minera de Chile
Bull. Am. Inst. Min. Eng.	.....	Bulletin of the American Institute of Mining Engineers
Bull. Am. Inst. Mining Met. Eng.	.....	Bulletin of the American Institute of Mining and Metallurgical Engineers
Bull. Can. Min. Inst.	.....	Bulletin of the Canadian Mining Institute
Bull. sci. Liège	.....	Bulletin scientifique, Liège
Bull. soc. inter. elec.	.....	Bulletin de la Société Internationale d'Electriciens
Bull. tech. de la Suisse Romande	.....	Bulletin technique de la Suisse Romande
Bureau Mines Tech. Paper	....	Bureau of Mines Technical Papers
C. A.	.....	Chemical Abstracts
Can. Chem. J.	.....	Canadian Chemical Journal
Can. Dept. Mines, Bull.	.....	Canadian Department of Mines, Bulletin
Can. Elec. News	.....	Canadian Electrical News
Can. Eng.	.....	Canadian Engineer, The
Can. Foundryman	.....	Canadian Foundryman
Can. Machy.	.....	Canadian Machinery
Can. Min. J.	.....	Canadian Mining Journal, The
Can. Min. Rev.	.....	Canadian Mining Review
Can. Soc. Civ. Engrs.	.....	Canadian Society of Civil Engineers
Cassier's Mag.	.....	Cassier's Magazine
Chem. App.	.....	Chemische Apparatur
Chem. Eng.	.....	Chemical Engineer, The
Chem. Ind.	.....	Chemische Industrie, Die
Chem. Met. Eng.	.....	Chemical and Metallurgical Engineering
Chem. News	.....	Chemical News
Chem. Trade J.	.....	Chemical Trade Journal and Chemical Engineer
Chem. World	.....	Chemical World
Chem.-Ztg.	.....	Chemiker-Zeitung
Col. School Mines Mag.	.....	The Colorado School of Mines Magazine
Compt. rend.	.....	Comptes rendus hebdomadaires des séances de l'académie des sciences

Durham Phil. Soc.....Durham Philosophical Society

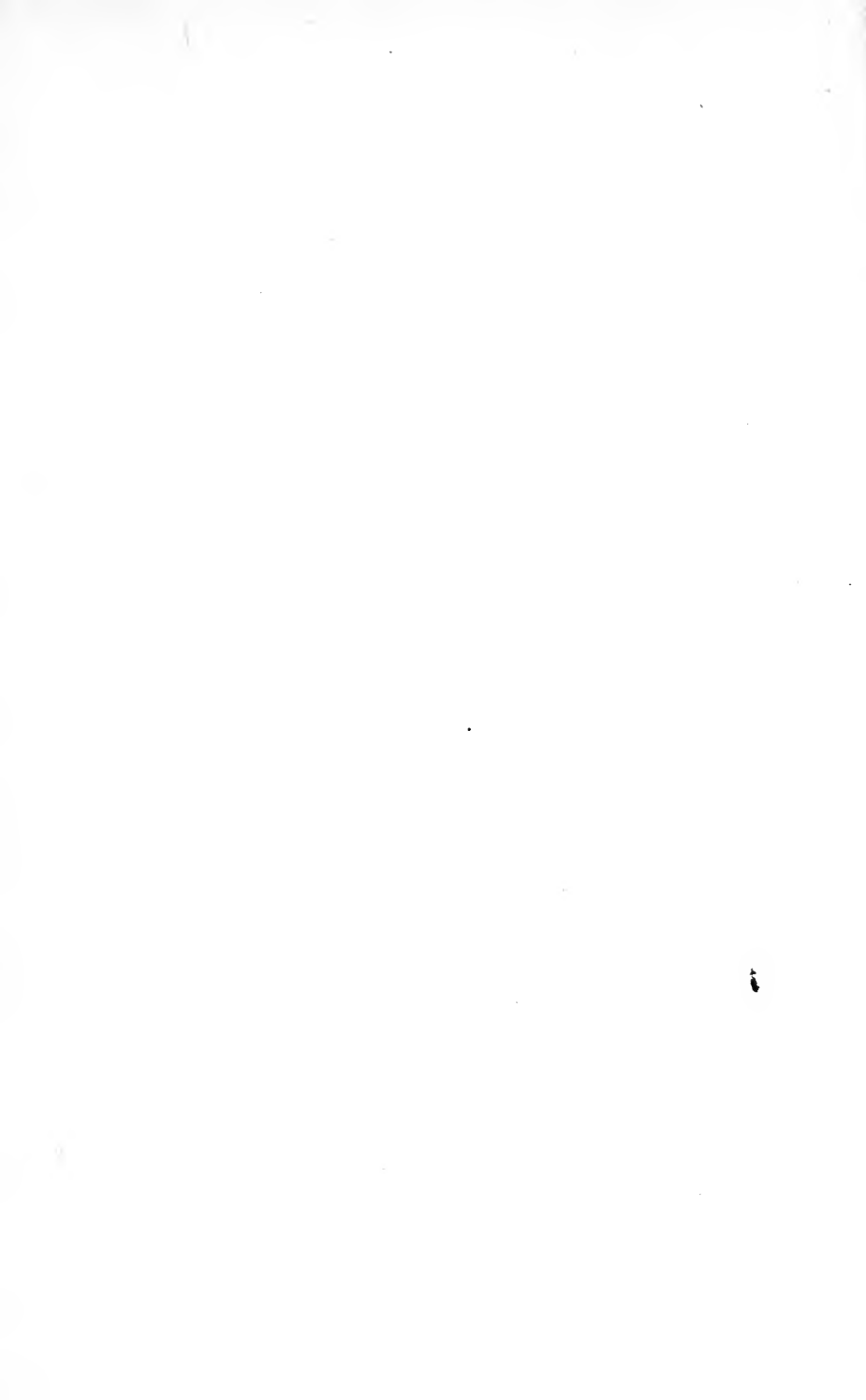
Elec. Eng.	Electric Engineering
Elec. J.	Electrical Journal
Elec. News	Electrical News
Elec. Rev.	Electrical Review
Elec. Rev. West. Elec.	Electrical Review and Western Electrician
Elec. Times.	Electric Times
Elec. World	Electrical World
Elec.	Electrician, The
L'Elec.	L'Electricien
Electrochem. & Met.	Electrochemist and Metallurgist
Electrochem. Ind.	Electrochemical Industry
Electrochem. Met. Eng.	Electrochemical and Metallurgical Engineering
Electrochem. Met. Ind.	Electrochemical and Metallurgical Industry
Elek. Kraft. u. Bahnen.	Elektrische Kraftbetriebe und Bahnen
Elektrochem. Z.	Electrochemische Zeitschrift
Elektrotech. u. Polytech. Rundschau.	Elektrotechnische und Polytechnische Rundschau
Elektrotech. Z.	Elektrotechnische Zeitschrift
Eng.	Engineer
Eng. Mag.	Engineering Magazine
Eng. Min. J.	Engineering and Mining Journal
Eng. News	Engineering News
Eng. Rev.	English Review
Eng. Soc. W. Penn., Proc.	Engineers' Society of Western Pennsylvania, Proceedings
Farben-Ztg.	Farben-Zeitung
Foundry Trade J.	Foundry Trade Journal
Gazz. chim. ital.	Gazzetta chimica italiana
Gen. Elec. Rev.	General Electric Review
Génie C.	Génie Civil
Giesserei Zeit.	Giesserei Zeitung
Glaser's Ann.	Glaser's Annalen
Glückauf	Glückauf, Berg-und Hüttenmännische Zeitschrift
L'ind. chim. min. met.	L'Industria chimica, miniera e metallurgica
Ind. électrique.	Industrie électrique
Ind. Eng.	Industrial Engineering
Ind. Management	Industrial Management
Inst. E. E. J.	Journal of the Institution of Electrical Engineers
Inst. Min. Met.	Institute of Mining and Metallurgy
Intern. Cong. Appl. Chem.	International Congress of Applied Chemistry
Iron Coal Trades Rev.	Iron and Coal Trades Review
Iron Steel Mag.	Iron and Steel Magazine
Iron Trade Rev.	Iron Trade Review, The
J. Am. Inst. Metals.	Journal of the American Institute of Metals
J. Am. Steel Treathers' Soc.	Journal of the American Steel Treathers' Society
J. Can. Min. Inst.	Journal of the Canadian Mining Institute

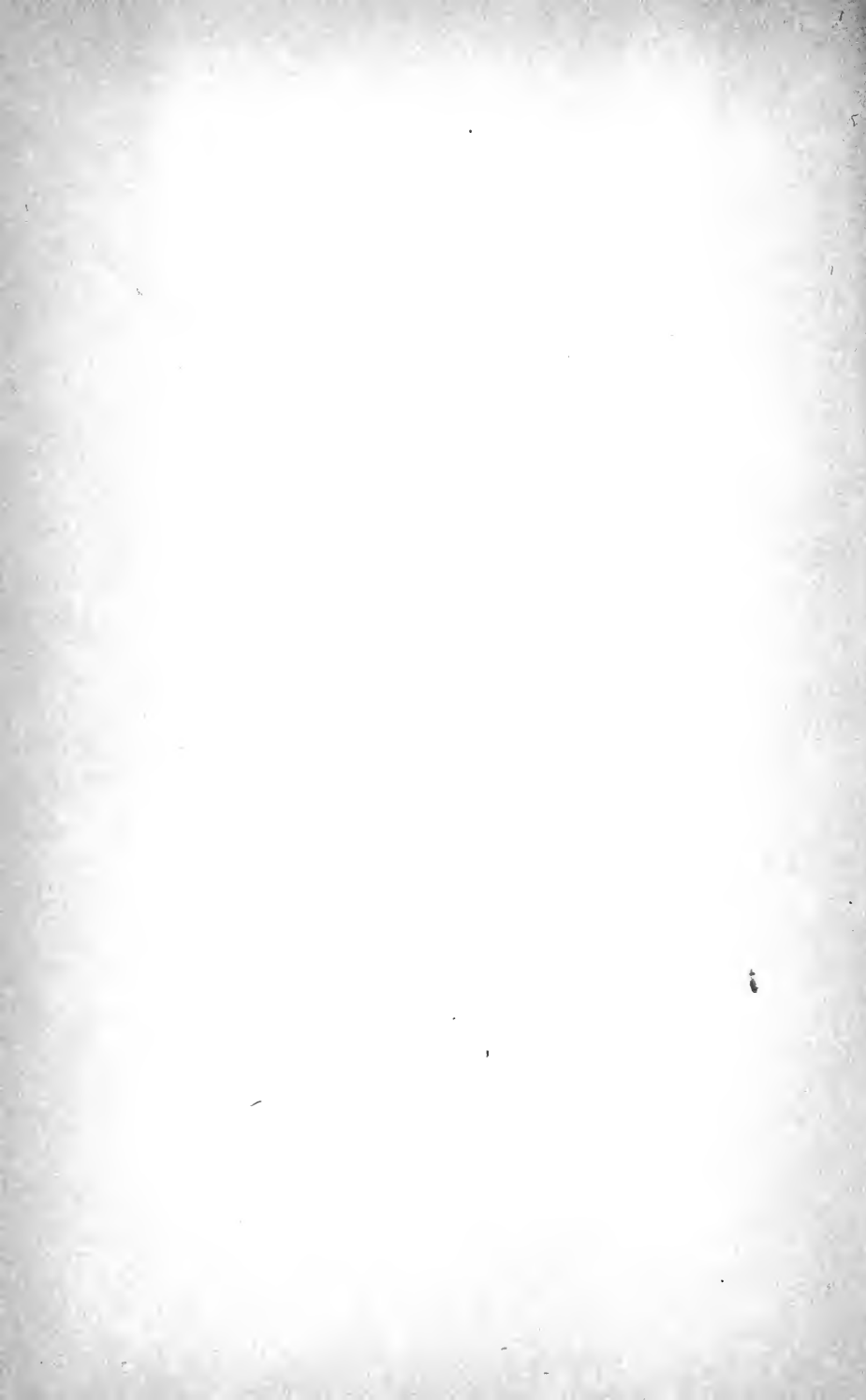
J. Chem. Met. Soc. S. Africa..	Journal of the Chemical, Metallurgical and Mining Society of South Africa
J. Chem. Soc.....	Journal of the Chemical Society
J. Clev. Eng. Soc.....	Journal of the Cleveland Engineering Society
J. Elec.....	Journal of Electricity
J. Elec. Power Gas.....	Journal of Electrical Power and Gas
J. d'Electrolyse	Journal de L'electrolyse et du four electrique
J. Eng. Club, Phila.....	Journal of the Engineers' Club of Philadelphia
J. Eng. Club, St. Louis.....	Journal of the Engineers Club of St. Louis
J. four elec.....	Journal du four electrique et de l'electrolyse
J. Franklin Inst	Journal of the Franklin Institute
J. Ind. Eng. Chem.....	Journal of Industrial and Engineering Chemistry
J. Iron Steel Inst.....	Journal of the Iron and Steel Institute
J. Royal Soc. Arts.....	Journal of the Royal Society of Arts
J. Russ. Chem. Soc.....	Journal of the Russian Chemical Society
J. Soc. Chem. Ind.....	Journal of the Society of Chemical Industry
J. West. Scotland Iron and Steel Inst.	Journal West of Scotland Iron and Steel Institute
J. West. Soc. Engineers.....	Journal of the Western Society of Engineers
Lumière elec.	La Lumière Electrique
Mach	Machinery
Manuf. Rec.	Manufacturers Record
Mech. Eng.	Mechanical Engineering
Mem. soc. ing. civ. de France.	Memoirs de la Societé des Ingenieurs Civils de France
Met. et alliages.....	Metaux et alliages
Met. Chem. Eng.....	Metallurgical and Chemical Engineering
Met. italiana	Metallurgia italiana, La
Metal Ind.	Metal Industry
Metall. u. Erz.....	Metall und Erz. Zeitschrift für Metallhüttenwesen und Erzbergbau
Min. Eng. World.....	Mining Engineering World
Min. Ind.	Mining Industry
Min. Mag.	Mining Magazine
Min. Sci.	Mining Science
Min. Sci. Press.....	Mining and Scientific Press
Min. World	Mining World
Mining J.	Mining Journal
Mitt. kgl. Materialprüfungsamt	Mitteilungen aus dem königlichen Materialprüfungsamt zu Berlin Lichterfelde West
Mon. Sci.	Moniteur scientifique du Docteur Quesneville
Monit. tecn.	Moniteur Tecnico
Montan. Rundsch.	Montanistische Rundschau
Oesterr. Chem. Ztg.	Oesterreichische Chemiker Zeitung
Oesterr. Z. Berg. Hüttenw.....	Oesterreichische Zeitschrift für Berg und Hüttenwesen

Phys. Rev.	Physical Review, The
Proc. Am. Inst. E. E.	Proceedings of the American Institute of Electrical Engineers
Proc. Am. Inst. Metals.	Proceedings of the American Institute of Metals
Proc. Eng. Club, Phila.	Proceedings of the Engineers' Club of Philadelphia
Proc. Inst. Civil Eng.	Proceedings of the Institution of Civil Engineers
Proc. Inst. Metals, London. .	Proceedings of the Institute of Metals
Rass. min.	Rassegna mineraria, metallurgica e chimica
Rev. chim. ind.	Revue de chimie industrielle
Rev. d'electrochim.	Revue d'électrochimie et d'electrometallurgie
Rev. gén. chim.	Revue générale de chimie pure et appliquées
Rev. gén. sci.	Revue générale des sciences pures et appliquées
Rev. industriel	Revue industrielle
Rev. de l'ingenieur et index techn.	Revue de l'ingenieur et index technique
Rev. metal.	Revue de Métallurgie
Riv. marit.	Rivista Marittima
Rivista tecnica d. ferr. ital.	Rivista tecnica della ferroire Italiana
Roy. Soc., Phil. Trans.	Royal Society of London, Philosophical Transactions
Ry. Age	Railway Age
Schweiz. Bau.	Schweizerische Bauzeitung
Sci. Am. S.	Scientific American Supplement
Sibley J. Eng.	Sibley Journal of Engineering
Stahl u. Eisen.	Stahl und Eisen
Tec. mod.	La Technique Moderne
Tech. Paper	Technical Papers
Trans. Am. Brass Founders' Assn.	Transactions of the American Brass Founders' Association
Trans. Am. Electrochem. Soc.	Transactions of the American Electrochemical Society
Trans. Am. Inst. Chem. Eng.	Transactions of the American Institute of Chemical Engineers
Trans. Am. Inst. E. E.	Transactions of the American Institute of Electrical Engineers
Trans. Am. Inst. Metals.	Transactions of the American Institute of Metals
Trans. Am. Inst. Min. Eng.	Transactions of the American Institute of Mining Engineers
Trans. Can. Min. Inst.	Canadian Mining Institute, Transactions
Trans. Eng. Soc. Toronto.	Transactions of the Engineering Society of Toronto
Trans. Faraday Soc.	Transactions of the Faraday Society
Trans. Inter. Eng. Congress.	Transactions of the International Engineering Congress
U. S. Bur. Standards Bull.	United States Bureau of Standards, Bulletin

W. Engineering	Western Engineering
W. Soc. Eng. J.	Western Society of Engineers, Journal
West. Chem. Met.....	Western Chemist and Metallurgist
Wis. Engr.	Wisconsin Engineer
Z. angew. Chem.	Zeitschrift für angewandte Chemie
Z. d. Oest. Ing. u. Arch. Ver...	Zeitschrift des Oesterreichischen Ingenieur- und Architekten Vereines
Z. Elektrochem.	Zeitschrift für Elektrochemie
Z. Ver. deut. Ing.....	Zeitschrift des Vereines Deutscher Inge- nieure







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